**Geethanjali College of Engineering and Technology**

**Department of Mechanical Engineering**

**Annexure 16**

**Research Publications**

**AY 2021-22**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Faculty Name** | **Title of Paper** | **Name of the Journal** | **International/ National Journal** | **ISSN/**  **ISBN Number & DOI** |
|  |  |  |  |  |  |

**AY 2020-21**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No** | **Faculty Name** | **Title of Paper** | **Name of the Journal** | **International/ National Journal** | **ISSN/**  **ISBN Number & DOI** |
| 1. | Dr M. Devaiah | Thermal Properties of Hybrid Natural Fiber Reinforced Polymer Matrix Composites with Si C as Filler | SAE Technical Papers | International Journal | 0148 - 7191  &  <https://doi.org/10.4271/2018-28-0046> |
| 2. | M. Ravi Kumar,  Dr. P. Kumar Babu | Analysis and Optimization of engine Cylinder Heat Transfer through Fins of varying Geometry and Material | International Research Journal of Engineering and Technology (IRJET) | International Journal | ISSN: 2395\_0056 |
| 3. | J Nithin Kumar  K. Praveen  G. Ravi Shankar  P. Chucharita | Finite Element Analysis on Fly Wheel Cup Manufactured with Polymer Matrix Composite (PMC) reinforced with Fly Ash | AIP Conference Proceedings | International Journal | 978-0-7354-2032-8  &  <https://doi.org/10.1063/5.0019622> |
| 4. | Dr. S. Sapthagiri, Dr. S. Shyam Kumar,  and Syed Ibadaddin | Influence of elevated temperatures on flexural strength of polysialate composite | AIP Conference Proceedings 2269, 030028 (2020); | International Journal | <https://doi.org/10.1063/5.0019598> |
| 5. | Dr. S.Shyam Kumar, Rahul Chhibber, and  Dr. S. Sapthagiri | Thermal degradation study for manufacturability of polyetheretherketone/ hydroxyapatite bone implant composite | AIP Conference Proceedings 2269, 030028 (2020) | International Journal | <https://doi.org/10.1063/5.0019598> |
| 6. | B. Subbarao,  Dr. Ramjee. E,  Dr. MVSM. Krishna | Performance of 4S- Single Diesel Engine using Jamun Seed Methyl Ester Oil (JSMEO) with different piston Configurations and injection pressures | Journal of Critical Reviews | International Journal | ISSN: 2394-5125 |
| 7. | R. Sudarshan, Sriram Venkatesh, K. Balasubramanian | Experimental analysis of Plasma Spray Technique with Zerconium Oxide mixture on SS304 Material as Thermal barrier Coating | International Journal of Solid State Technology | International Journal  December, 2020 | 0038111X |

**Research Publications in International Journals**

**AY 2020-21**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **List of Authors** | **Title of the Paper** | **Name of the Journal / Conference** | **Year of Publication** | **ISBN/ ISSN/DOI** |
| 1. | R. Sudarshan  Dr. M. Devaiah | Mechanical Properties of Similar and Dissimilar Metals of Monel 400 and SS 321 by Using gas Tungsten Arc Welding (GTAW) process | SAE India  ADMMS'19  International Conference | 11th -12thOct-2019 | SAE Technical Paper-2019-28-0141,2019  DOI:10.4271/2019-28-0141 |
| 2. | K. Venkatesh  R.Sravani | Effect of Twist Angle and RPM on the Natural Vibration of Composite Beams made up of Hybrid Laminates | 3rd International Conference on Advances in manufacturing Technology-22nd & 23rd June-2018.  SPRINGER NATURE Advances in Manufacturing Technology  Lecture Notes in Mechanical Engineering | 18th-April-2019 | ISBN(P):978-981-13-6373-3  ISBN(O): 978-981-13-6374-0  DOI: <http://doi.org/10.1007/978-981-13-6374-0_50> |
| 3. | N.S. Raghavendra | Finite Element Analysis of Hydraulic Press Emphasis with minimum deformation & thickness optimization | International Journal of Research in Advance Technology | Special Issue  March-2019 | ISSN:2321-9637 |
| 4. | N.S. Raghavendra | Study on Effect of Coefficient of Friction on the work piece in Grinding by FEA | International Journal of Research in Advance Technology | Special Issue  March-2019 | ISSN:2321-9637 |
| 5. | K. Venkatesh  R.Sravani | Effect of Twist Angle and RPM on the Natural Vibration of Composite Beams made up of Hybrid Laminates | 3rd International Conference on Advances in manufacturing Technology-22nd & 23rd June-2018.  SPRINGER NATURE Advances in Manufacturing Technology  Lecture Notes in Mechanical Engineering | 18th-April-2019 | ISBN(P):978-981-13-6373-3  ISBN(O): 978-981-13-6374-0  DOI: <http://doi.org/10.1007/978-981-13-6374-0_50> |
| 6. | V. Rajashekar  Dr. M. Devaiah\*  N. Rajendar  K. Raju | Comparison of Mechanical Properties for Carbon, E Glass and Hybrid Composites (Carbon & E-Glass) | International Journal of Mechanical Engineering and Technology (IJMET)  Feb,2019 | Volume No:10, Issue No:02  Feb-2019 | ISSN Print: 0976-6340 And ISSN Online: 0976-6359 |
| 7. | B. Bhasker  Dr. M. Devaiah  P. Laxmi Reddy  M. Ravindra Gandhi | Thermal Characterization of Fiber Reinforced Polymer Composites and Hybrid Composites | International Journal of Mechanical Engineering & Technology (IJMET) | Volume-10. Issue-4  29 March 2019  PP.153-165 | ISSN (P):0976-6340  ISSN(O): 0976-6359 |
| 8. | Dr. S. Sapthagiri | Flexural Analysis on 2D & 3D Weaved Carbon- Silicon Carbide Composites | Lecture Notes in Mechanical Engineering.  Recent Trends in Mechanical Engineering | SPRINGER LINK  https://doi.org/10.1007/978-981-15-1124-0\_39  12 January 2020 | International Journal |
| 9. | J. Nithin Kumar  Dr. M. Devaiah  P. Sandeep Kumar  P. Sudheer Rao | Experimental Investigation of Microstructure & Mechanical Properties of Brass- Iron Joined by TIG Welding Process | Recent Advances in Mechanical Engineering.  Lecture notes in Mechanical Engineering | SPRINGER LINK  https://doi.org/10.1007/978-981-15-1071-7\_35  First online:25 Jan-2020 | International  Journal |
| 10. | K. Raju  M. Ravindra Gandhi  V. Rajashekar  N. Suresh | Analysis of Internal Damping in Rotating Shaft | Recent Trends in Mechanical Engineering  Lecture Notes in Mechanical Engineering | SPRINGER LINK  https://doi.org/10.1007/978-981-15-1124-0\_60  12 January 2020 | International  Journal |
| 11. | K. Venkatesh, Raghavendra N Savannananavar | A Concise Review on Processing of Hybrid Composites Produced by the Combination of Glass and Natural Fibers | ELSEVIER Materials Today Proceedings  Volume 22, Part 4,2020, Pages 2016-2024 | E ISSN:2214-7853 & DOI: http://doi.org/10.1016/j.matpr.2020.03.179 | March 2020 |
| 12. | K. Venkatesh, Raghavendra N Savannananavar | A Concise Report on Properties of Hybrid Composites Manufactured from Glass and Natural Fibers | ELSEVIER Materials Today Proceedings  Volume 22, Part 4,2020, Pages 2016-2024 | E ISSN:2214-7853, DOI://doi.org/10.1016/j.matpr.2020.12.178 | March 2020 |

**Research Publications in Conferences**

**AY 2019-20**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **List of Authors** | **Title of the Paper** | **Name of the Journal / Conference** | **Year of Publication** | **ISBN/ ISSN/DOI** |
|  | R. Sudarshan | Plasma Current Effects on the microstructure of solution precursor plasma spray YSZ Coatings | International Conference on Applied Physics, Power and Material Science | ICAPPM-5th and 6th December2018  Published on March-2019  Doi:10.1088/1742-6596/1172/1/012021 | International Conference |
|  | K. Venkatesh  N.S.Raghavendra | A Concise Review on Processing of hybrid Composites produced by the Combination of Glass & Natural Fibers | International Conference of Materials, Manufacturing & Modeling  (ICMMM-2019) | 29th-31st March 2019 | VIT- Chennai |
|  | K. Venkatesh  N.S. Raghavendra | A Concise Report on Properties of hybrid Composites Manufactured from Glass & Natural Fibers | International Conference of Materials, Manufacturing & Modeling  (ICMMM-2019) | 29th-31st March 2019 | VIT- Chennai |
|  | N. Suresh  Dr. M. Devaiah | Design & Analysis of Aluminum- Fly ash Composite for Connecting rod | SAE India  ADMMS'19  International Conference | 11th -12thOct-2019 | SAE Technical Paper-2019-28-0166,2019  DOI:10.4271/2019-28-0166 |
|  | J. Nithin Kumar  Dr. M. Devaiah  P. Sandeep Kumar  P. Sudheer Rao | Experimental Investigation of Microstructure & Mechanical Properties of Brass- Iron Joined by TIG Welding Process | 1st National Conference on Advance in Mechanical Engineering  (NACAME-2019)  . | Feb-2019 | International Conference |
|  | K. Raju | Analysis of Internal Damping in Rotating Shaft | International Conference on Innovations in Mechanical Engineering  ICIME-2019 | 4th & 5th Jan-2019  Guru Nanak Institutions of Technical Campus | International Conference |
|  | M. Ravindra Gandhi | Analysis of Internal Damping in Rotating Shaft | International Conference on Innovations in Mechanical Engineering  ICIME-2019 | 4th & 5th Jan-2019  Guru Nanak Institutions of Technical Campus | International Conference |
|  | Dr. S. Sapthagiri | Flexural Analysis on 2D & 3D Weaved Carbon- Silicon Carbide Composites | 2 nd International Conference on Innovations in Mechanical Engineering. | ICIME-4th & 5 th January 2019 at Gurunanak Institute of Technology, Hyderabad. | International Conference |
|  | Dr. M. Devaiah  Murali Krishna  N.N. Denesh  G. Sai Siddharth Reddy | Mechanical Properties of Hybrid Natural Fiber Reinforced Epoxy Matrix Composites with SiC as Filler | International Conference on Multi- Functional Materials (ICMM-2019) | 2019 | International Conference |
|  | Dr. S. Shyam Kumar  Dr. S. Sapthagiri | Thermal Degradation Study for manufacturability of polyetheretherketone/ Hydroxyapatine Bone Implant | ICMM-2019 | AIP Journal | International Conference |
|  | Dr. S. Sapthagiri  Dr. S. Shyam Kumar | Influence of Elevated Temperatures on Flexural Strength of Polysialate Composite | ICMM-2019 | AIP Journal | International Conference |
|  | Dr. M. Devaiah  Murali Krishna  N.N. Denesh  G. Sai Siddharth Reddy  J. Nithien | Thermal Properties of Hybrid Natural Fiber Reinforced Epoxy Matrix Composites with SiC as Filler | International Conference on Multi- Functional Materials (ICMM-2019) | 2019 | International Conference |

**Research Publications in International Journals**

**AY 2018-19**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Conference/ Journal Name** | **Volume No.,**  **Issue No.,**  **and Page no. Month & Year of Publication** | **ISBN/ ISSN** |
|  | R. Sudarshan  Dr. M. Devaiah\* | Effect of Process Parameters in MIG Welding on Mild Steel IS 2062 | International Journal of Applied Engineering Research | Volume-13, No. 4(2018), PP2046-2054, Cite Score 0.13, SJR 0.149, SNIP 0.181, H Index 13, | ISSN:0973-4562 |
|  | Dr. M. Devaiah   1. Jagan Naik | Optimization of super plastic forming of low carbon Steel in stretching setup advanced techniques | International Journal of Modern Engineering and Research Technology, | Volume 5, Special Issue, June 2018 | ISSN: 2348-8565 |
|  | A. Santosh  Dr. M. Devaiah | Friction Stir Welding of Aluminum 6082 | SAE Technical Paper | SAE Technical Paper 2018-28-0051,2018,  9- July 2018. |  |
|  | Dr. M. Devaiah  B. Subba Rao | Force and Deformation Analysis for Determination of Optimum Fixture Configuration | International Journal of Applied Engineering Research | Volume-13, Issue-7-2018 | ISSN:0973-4562 |
|  | Dr. T. Siva Prasad | Manufacturing of Die using rapid Prototyping Technique | The UPI Journal of Mechanical Engineering | Volume No.-4  November-2018 |  |
|  | Dr. M. Devaiah | SEM and Factography Analysis of SiCp/ Al2O3 Ceramic Matrix Composites Prepared through Direct metal oxidation Process of Al Alloy | The UPI Journal of Mechanical Engineering | Volume No.-4  November-2018 |  |
|  | N. Suresh  B. Srinivasa Reddy  M. Ravindra Gandhi | Manufacturing and Analysis of Four-Way Hacksaw Machine by Pedaling | International Journal of Industrial Engineering & Technology | Impact Factor (JCC-2018):5.6097  Vol-8, Issue-2 DEC-2018 | ISSN: (online) 2278-9456  ISSN: (print) 2277-4769 |
|  | V. Rajashekar  Dr. M. Devaiah\*  N. Rajendar  K. Raju | Comparison of Mechanical Properties for Carbon, E Glass and Hybrid Composites (Carbon & E-Glass) | International Journal of Mechanical Engineering and Technology (IJMET)  Feb,2019 | Volume No:10, Issue No:02  Feb-2019 | ISSN Print: 0976-6340 And ISSN Online: 0976-6359 |
|  | B. Bhasker  Dr. M. Devaiah  P. Laxmi Reddy  M. Ravindra Gandhi | Thermal Characterization of Fiber Reinforced Polymer Composites and Hybrid Composites | International Journal of Mechanical Engineering & Technology (IJMET) | Volume-10. Issue-4  29 March 2019  PP.153-165 | ISSN (P):0976-6340  ISSN(O): 0976-6359 |

**Research Publications in Conferences**

**AY 2018-19**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Conference/ Journal Name** | **Volume No.,**  **Issue No.,**  **and Page no. Month & Year of Publication** | **ISBN/ ISSN** |
|  | Dr. M. Devaiah  K. Siva Prasad Reddy  Koti Reddy | Designing and Simulation of Baler Included with Combine Harvester | Paper presented at International Conference on Trends in Engineering, Management, Pharmacy & Sciences (ICTEMPS2018) | 21st April 2018, Geethanjali College of Engineering and Technology, Hyderabad, Telangana, INDIA, , pp 76 -79, | ISBN 978-93-85100-86-4 |
|  | R. Sudarshan | Preparation, Deposition and Characterization of Solution Precursor | International Conference on Trends in Engineering, Management, Pharmacy & Sciences | ICTEMPS-21st April 2018 | International Conference |
|  | K. Venkatesh | Design & Fabrication of Abrasive Jet Machine | International Conference on Trends in Engineering, Management, Pharmacy & Sciences | ICTEMPS-21st April 2018 | International Conference |
|  | Dr. M. Devaiah | Optimization of super plastic forming of low carbon Steel in stretching setup advanced techniques | National Conference | (NCAMENT - 2018), 29 - 30 June, 2018, MED. OCE, OU, Hyderabad, TS P212, Page 48 | National Conference |
|  | Dr. M. Devaiah | Coefficient of thermal expansion and elastic Modulus of SiCP/Al2O3 ceramic matrix composites prepared by directed metal oxidation process | SAE-18ADMMS-0160 International Conference | Madras Institute of Technology, Chennai, 19 – 20 July 2018 SAE Technical Paper 2018-28- 0047, 2018, | doi:10.4271/2018- 28-0047 |
|  | Dr. M. Devaiah | Mathematical Model Validation of Experimental results of SiCpAl2O3 Ceramic Matrix Composites Prepared by Directed Metal Oxidation of an Al Alloy | SAE-18ADMMS-0163 International Conference | Madras Institute of Technology, Chennai, 19 – SAE Technical Paper 2018-28- 0046, 2018, | doi:10.4271/2018-28-0046 |
|  | Dr. B. Sreenivas | Effect of Polytropic Efficiency on the Braysson Cycle | Energy Procedia, ELSEVIER | 10th International Conference on Applied Energy (ICAE2018), 22-25 August 2018, Hong Kong, China (Accepted | International Conference |
|  | Dr. B. Sreenivas | Second-law based validation for the choice of optimum Gas-power cycles | Energy Procedia, ELSEVIER | 10th International Conference on Applied Energy (ICAE2018), 22-25 August 2018, Hong Kong, China (Accepted) | International Conference |
|  | Dr. B. Sreenivas | Temperature Field and Residual Stress of Butt Welding on IN182 Plate, | Proceeding of World Summit on Advances in Sciences, Engineering and Technology, PaperNo.4049 | UKSummit-18, Murray Edwards College, University of Cambridge, UK, January 4-6, 2018 | International Conference |
|  | R. Sudarshan | Plasma Current Effects on the microstructure of solution precursor plasma spray YSZ Coatings | International Conference on Applied Physics, Power and Material Science | ICAPPM-5th and 6th December2018 | International Conference |
|  | Dr. S. Sapthagiri | Flexural Analysis on 2D & 3D Weaved Carbon- Silicon Carbide Composites | 2 nd International Conference on Innovations in Mechanical Engineering | ICIME-4th & 5 th January 2019 at Gurunanak Institute of Technology, Hyderabad | International Conference |

**Research Publications in International Journals**

**AY 2017-18**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Name of the Journal / Conference** | **Year of Publication/ ISSN/ISBN Number & DOI** | **ELSEVIER/SCOPUS/**  **SAE/UGC** |
|  | Dr. T. Siva Prasad | Tire Multi Axial Nut Setter | International Research Journal of Engineering & Technology | e-ISSN:2395-0056,  P-ISSN: 2395-0072, Vol-4, ISSUE-7, July-2017. | UGC |
|  | Dr. T. Siva Prasad | Investigation into Flow Field of Centrifugal Pump Impeller | International Journal of Engineering & Manufacturing Science | ISSN:2249-3115, Volume-7, Number-2,2017, PP.309-318 | UGC |
|  | Dr. M. Devaiah | Finite Element Analysis of Hydroforming Components (Bellows) Using Ansys | International Journal of Engineering and Manufacturing Science | ISSN:2249-3115,  Volume-7, Issue-2,  PP259-272 |  |
|  | Dr. M. Devaiah | Report on Modification of I.C. Engine | International Journal of Engineering Research in Mechanical & Civil Engineering | ISSN (online)2456-1290, Volume-2, Issue-11, November-2017 |  |
|  | Dr. M. Devaiah | Comparison of Thermal Conductivity Experimental Results Of SICP/AL2O3Ceramic Matrix Composites with Mathematical Modeling | International Journal of Applied Engineering Research | ISSN:0973-4562, Volume-13, Number-6(2018) PP:3784-3788 |  |
|  | Dr. M. Devaiah | Investigation into Flow Field of Centrifugal Pump Impeller | International Journal of Engineering & Manufacturing Science | ISSN:2249-3115, Volume-7, Number-2,2017, PP.309-318 | UGC |
|  | Dr. M. Devaiah | Optimization of Process Parameters in Arc Welding on Material Mild Steel. | International Journal of Advanced research trends in Engineering & Technology | ISSN: 2394-3777(Print)  ISSN: 2394-3785(Online), VOLUME-4, ISSUE-11, November-2017 |  |
|  | Dr. M. Devaiah | Effect of Process Parameters in MIG Welding on Mild Steel IS 2062 | International Journal of Applied Engineering Research | ISSN:0973-4562, VOLUME-13, NUMBER-4(2018), PP2046-2054 |  |
|  | Dr. B. Sreenivas | Flow Apportionment in a Manifold by using Genetic Algorithm and Least Squares Regression | International Journal of Circuits, Systems and Signal Processing | Volume 11,2017, ISSN: 1998-4464, Publisher: North Atlantic University Union NAUN, Scopus indexed |  |
|  | Dr. B. Sreenivas | Relationship between composition of mixture charged and that in circulation in an auto refrigerant cascade and a J-Trefrigerator operating in liquid refrigerant supply mode | ELSEVIER  International Journal of Cryogenics | Vol.81, 2017, pp 42-46 ISSN: 0011-2275, Impact factor: 1.465, Publisher: Elsevier, Scopus indexed | ELSEVIER |
|  | Dr. B. Sreenivas | Optimization of fluid flow apportionment in a manifold for a skewed flow distribution | International journal of mathematical models and methods in applied sciences | Issn:1998-0140, volume-11, 2017 |  |
|  | Dr. B. Sreenivas | Optimization of fluid flow distribution for a Skewed flow Pattern in a Manifold | WSEAS Transactions on Fluid Mechanics | E- ISSN:2224-347X,  VOLUME-12, 2017 | SCOPUS |
|  | B. Subba Rao | Tire Multi Axial Nut Setter | International Research Journal of Engineering & Technology | e-ISSN:2395-0056,  P-ISSN: 2395-0072, Vol-4, ISSUE-7, July-2017. | UGC |
|  | B. Subba Rao | Investigation into Flow Field of Centrifugal Pump Impeller | International Journal of Engineering & Manufacturing Science | ISSN:2249-3115, Volume-7, Number-2,2017, PP.309-318 |  |
|  | R. Sudarshan | Optimization of Process Parameters in Arc Welding on Material Mild Steel. | International Journal of Advanced research trends in Engineering & Technology | ISSN: 2394-3777(Print)  ISSN: 2394-3785(Online), VOLUME-4, ISSUE-11, November-2017 |  |
|  | R. Sudarshan | Effect of Process Parameters in MIG Welding on Mild Steel IS 2062 | International Journal of Applied Engineering Research | ISSN:0973-4562, VOLUME-13, NUMBER-4(2018), PP2046-2054 |  |
|  | P. Laxmireddy | Design and Fabrication of Ari (Air Energy Replenishing Instrument) | International Journal of Creative Research Thoughts | ISSN: 2320-2882,  Volume-6, Issue-1, JANUARY 2018 |  |
|  | V. Sandeepa | Power Generation from Speed Breakers using Multiple Roller Mechanism | International Journal of Innovation in Engineering Research & management | ISSN:2348-4918,  Volume:5, Issue:2,  April-2018 | UGC Approved |
|  | V. Sandeepa | Design and Analysis of Large Transportable Vacuum Insulated  Cryogenic Vessel | International Research Journal of Engineering and Technology | Impact Factor: 5.181  P-ISSN:2395-0072  E-ISSN:2395-0072  Volume:4,  Issue: 7, July2017 |  |
|  | V. Sandeepa | Performance Studies on high Chamber Pressure Liquid Rocket Engine | International Journal of Scientific Research and Review | ISSN:2279-543X,  Volume-7, Issue-3, 2018 | UGC Approved |
|  | U. Srikanth | Enhancement of Heat Transfer in Solar Air Heater with Parallelogram Protrusions as Roughness Elements | International Journal for Research in Applied Science & Engineering Technology | ISSN:2321-9653,  Impact Factor:6.887,  Volume-6, Issue-3,  March-2018 | UGC Approved |
|  | A. Santhosh | Seismic Analysis of Missile Canister Testing Chamber | International Journal of Engineering & Science Research | Impact Factor: 3.47  ISSN: 2277-2685  Volume-7, Issue-12  Page Nos: 186-204  DOI: DEC/2017 |  |
|  | V. Rajasekhar | Design Fabrication and Testing of Vertical Axis Wind Turbine Powered Cooling Tower | International Journal of Scientific Research & Review | ISSN:2279-543X | UGC Approved |
|  | V. Rajasekhar | Design and Fabrication of Static Load Testing Machine by Screw Jack Mechanism | International Journal of Scientific and Review | ISSN:2279-543X,  Volume-7, Issue-2-2018 | UGC Approved |
|  | V. Rajasekhar | Experimental Analysis of Hydrogen Fuel Based IC Engine | International Journal of Scientific Engineering and Technology Research | ISSN 2319-8885,  Volume-06, Issue-23,  July-2017, Pages:4557-4560: |  |
|  | V. Rajasekhar | Fabrication & Experimental Analysis of Hybrid Composite Material (Carbon & E-glass) | International Journal of Innovations in Engineering Research and Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | K. Vijay | Design and Analysis of Large Transportable Vacuum Insulated  Cryogenic Vessel | International Research Journal of Engineering and Technology | Impact Factor: 5.181  P-ISSN:2395-0072  E-ISSN:2395-0072  Volume:4,  Issue: 7, July2017 |  |
|  | K. Venkatesh | Analytical Model Application for Prediction of Mechanical Properties of Natural Fiber Reinforced Composites | ELSEVIER-Materials Proceedings | Elsevier-Materials Proceedings,  ISSN:2214-7853,  Volume-5, Issue-2, Part-1, March-2018,  Pages:5809-5818 | ELSEVIER |
|  | N. Rajendar | Design and Fabrication of Static Load Testing Machine by Screw Jack Mechanism | International Journal of Scientific and Review | ISSN:2279-543X,  Volume-7, Issue-2-2018 | UGC Approved |
|  | N. Rajendar | Design Fabrication and Testing of Vertical Axis Wind Turbine Powered Cooling Tower | International Journal of Scientific Research & Review | ISSN:2279-543X | UGC Approved |
|  | K. Niranjan kumar | Design and Fabrication of Static Load Testing Machine by Screw Jack Mechanism | International Journal of Scientific and Review | ISSN:2279-543X,  Volume-7, Issue-2-2018 | UGC Approved |
|  | K. Niranjan kumar | Performance Studies on high Chamber Pressure Liquid Rocket Engine | International Journal of Scientific Research and Review | ISSN:2279-543X,  Volume-7, Issue-3, 2018 | UGC Approved |
|  | K. Raju | Experimental Analysis of Hydrogen Fuel Based IC Engine | International Journal of Scientific Engineering and Technology Research | ISSN 2319-8885,  Volume-06, Issue-23,  July-2017, Pages:4557-4560: |  |
|  | K. Raju | Fabrication & Experimental Analysis of Hybrid Composite Material (Carbon & E-glass) | International Journal of Innovations in Engineering Research and Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | B. Anitha | Effect of High-Pressure Coolant Jet (HPCJ) in Drilling Aisi4340 Steel | International Journal of Innovations in Engineering Research and Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | B. Bhasker | Design Fabrication and Testing of Vertical Axis Wind Turbine Powered Cooling Tower | International Journal of Scientific Research & Review | ISSN:2279-543X | UGC Approved |
|  | B. Srinivas Reddy | Analytical Model Application For Prediction Of Mechanical Properties Of Natural Fiber Reinforced Composites | ELSEVIER-Materials Proceedings | Elsevier-Materials Proceedings,  ISSN:2214-7853,  Volume-5, Issue-2, Part-1, March-2018,  Pages:5809-5818 | ELSEVIER |
|  | M. Ravindra Gandhi | Experimental Analysis of Hydrogen Fuel Based IC Engine | International Journal of Scientific Engineering and Technology Research | ISSN 2319-8885,  Volume-06, Issue-23,  July-2017, Pages:4557-4560: |  |
|  | M. Ravindra Gandhi | Fabrication & Experimental Analysis of Hybrid Composite Material (Carbon & E-glass) | International Journal of Innovations in Engineering Research and Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | P. Satyanarayana | Effect of High-Pressure Coolant Jet (HPCJ) in Drilling Aisi4340 Steel | International Journal of Innovations in Engineering Research and Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | P. Satyanarayana | Fabrication & Experimental Analysis of Hybrid Composite Material (Carbon & E-glass) | International Journal of Innovations In Engineering Research And Technology | ISSN:2394-3696,  Volume-4, Issue-9, Sep-2017 |  |
|  | M. Ravi Kumar | Effect of Process Parameters on Weldability of the Material | International journal Of Advances in Scientific Research & Engineering | E-ISSN:2454-8006,  Volume-3,  July-2017 |  |
|  | M. Ravi Kumar | An Experimental Investigation on NOx Emission Reduction and Performance Evaluation of CI Engine using EGR System | International Journal of Engineering Research and Advanced Technology | ISSN:2454-6135,  Volume-3, Issue-7, July-2017,  DOI: dx.doi.org/10.7324/ |  |
|  | P. Sandeep Kumar | A Structural Study in Finding Mechanical Properties of Al6062 Reinforced with Flyash/Bronze/Nickel | Anveshanas International Journal of Research in Engineering & Applied Sciences | ISSN-2455-6300, Volume-2, Issue-9, Sep-2017 |  |
|  | K. Rajashekar reddy | Fracture Analysis of Cracks in Composite Cylindrical Panel | International Journal & Magazine of Engineering, Technology, management and Research | ISSN:2348-4845,  Volume-4, Issue-1,  January-2017 |  |

**Research Publications in Conferences**

**AY 2017-18**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Name of the Journal / Conference** | **Year of Publication/ ISSN/ISBN Number & DOI** | **ELSEVIER/SCOPUS/**  **SAE/UGC** |
|  | P. Sandeep Kumar | Optimization of TIG Welding Parameters by Taguchi Method for Brass 3019 | International Conference on Innovations in Mechanical Engineering | ICIME-2018 | International Conference |
|  | J. Nithin Kumar | Optimization of TIG Welding Parameters by Taguchi Method for Brass 3019 | International Conference on Innovations in Mechanical Engineering | ICIME-2018 | International Conference |
|  | Dr. M. Devaiah | Report on Better Performance Engines | International Conference on Innovations in Mechanical Engineering | ICIME-2018 | International Conference |
|  | Dr. B. Sreenivas | Flow Apportionment in a Manifold by using Genetic Algorithm and Least Squares Regression | Proceedings of International Conference on Mathematical Models and Methods in Applied Sciences | MMMAS 2017, Athens, Greece, October 6-8, 2017. |  |
|  | Dr. B. Sreenivas | Integration of Nanotechnology Education and  Research into Undergraduate Engineering Curriculum at Indian Educational Institutes | Proceedings of International multidisciplinary conference on Education for Future: Issues and Challenges | IMCE-2017, OU, Hyderabad, India, 7-8 July 2017. |  |
|  | Dr. B. Sreenivas | Teaching Learning Methods in Engineering  Education | Proceedings of International multidisciplinary conference on Education for Future: Issues and Challenges | IMCE-2017, OU, Hyderabad, India, 7-8 July 2017. |  |
|  | B. Subba Rao | Cashew Nutshell Liquid and Rice Bran Oil as Alternative to Petrochemical Resources | NCRTME-2018 | National Conference | National Conference |
|  | A. Santhosh | Exploration of Laser Jet Welding by Using CFD | International Conference on Recent Trends in Engineering & Technology | ICRTET-17, July-2017 | International Conference |

**Research Publications in International Journals**

**AY 2016-17**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Name of the Journal** | **International/ National Journal with Impact FACTOR, ISSN/ISBN Number & DOI** | **ELSEVIER/SCOPUS/SAE/UGC** |
|  | Dr. B. Sreenivas | Effect of Temperature and Pressure Ratio on Second Law efficiency of an Irreversible Braysson Cycle | International Journal of Engineering Technology, Management and Applied Sciences | Vol.5, Issue 4,  Paper ID:  0I0O7M,April  2017, pp. 509-  517,ISSN: 2349-  4476, Impact  factor: 2.24, Peer  reviewed. |  |
|  | P. Sudheer Rao | Improvement of Heat Transfer Using Nanofluids | International Journal of Advanced Research Foundation | ISSN: 2394-3394, Volume 3, Issue 10, October 2016 |  |
|  | P. Sudheer Rao | Optimization and CFD Analysis of Radiator Fan | International Journal of Ethics in Engineering & Management Education | ISSN: 2348-4748, Volume 3, Issue 10, October 2016 |  |
|  | D. Samuel John  B.Subba Rao | Desirability through Effective Management Of Materials | International Journal of Science, Engineering and Technology Research | ISSN: 2278 – 7798, Citation Index: 0, SNIP: 0, SJR: 0 Impact Factor: 3.59 H-Index: 0 Vol-5, Issue-5, May-2016 |  |
|  | M. Ravindra Gandhi  K. Raju  V. Rajasekhar | Experimental Analysis of Hydrogen Fuel Based IC Engine | International Journal of Scientific Engineering and Technology Research | ISSN 2319-8885, Volume-06, Issue-23, July-2017, Pages: 4557-4560: |  |
|  | K. Raju  M. Ravindra Gandhi  V. Rajasekhar | Evaluation of Mechanical Properties of Carbon Woven Fabric Reinforced Epoxy based Composite | International Journal of Scientific Engineering and Technology Research | ISSN 2319-8885, Volume-06, Issue-18, May-2017, Pages:3573-3575 |  |
|  | P. Laxmi Reddy  K. Praveen | Design and Experimental Analysis on Gas Turbine Model (Waste Heat Recovery System) | International Research Journal of Engineering & Technology | Impact Factor: 5.181, e-ISSN: 2395-0056,  p-ISSN: 2395-0072, Volume-4, Issue-5, May -2017 |  |
|  | P.V. R. Girish Kumar | An Enhanced Fall Detection System For Elderly Persons Monitoring By Using Consumer Home Networks | [International Journal of Electrical and Computer Engineering (IJECE)](http://iaesjournal.com/online/index.php/IJECE) | ISSN 2348-8549, Impact Factor-2.03,  Volume-3, Issue-10, October-2016 |  |
|  | U. Sreekanth  B.Subba Rao | Performance and analysis on valve less pulse jet Engine | Imperial Journal of Interdisciplinary Research | Volume-3, Issue-1, ISSN:2454-1362, 2017 |  |
|  | U. Sreekanth | Experimental analysis of working characteristics of corn oil as an alternate fuel of diesel engine | International Journal of Engineering Research & Technology | Impact Factor-3.5, ISSN: 2278-0181, Volume-5, Issue-9, Sep-2016 |  |
|  | K. Sreedhar  J. Nithin Kumar  K. Jithendar Reddy | Micro Structure analysis of TIG Welded SS 301 Alloy | International Journal of Engineering & Technology | Impact Factor:5.181  E ISSN: 2395 -0056, PISSN: 2395-0072,  Volume-4, Issue-2, Feb-2017 |  |
|  | N. Rajendar  K. Niranjan Kumar | Design And Analysis Of Composite Drive Shaft | International Journal of Science, Engineering and Technology Research | ISSN: 2278 – 7798, Volume-6, Issue-1, January-2017 |  |
|  | A. Santhosh | Linear static and dynamic analysis of impeller type centrifugal pump with different materials | International Journal of Engineering Science & Computing | International Journal  Impact Factor:3.8  ISSN: 2321 3361  Volume6, Issue 11  DOI: 14/11/2016 |  |
|  | K. Jithendar Reddy  K. Sreedhar  J. Nithin Kumar | Optimization of welding parameters in TIG welded SS 301 alloy | International Journal of Engineering Science and Computing | ISSN 2321 3361  Volume 6, Issue No:7 July 2016. DOI:10.4010/2016 |  |
|  | K. Venkatesh | Analysis of Inner Rotor in a Georotor | International Journal Of Scientific & Research Publications | ISSN 2250-3153, Volume-6, Issue-7, July- 2016. |  |
|  | N. Suresh  B. Srinivasa Reddy | Design and fatigue Analysis of Choke valve Body | International Journal of Science, Engineering and Technology Research | ISSN: 2278 – 7798, Volume 5, Issue 11, November 2016 |  |
|  | P. Sreelatha  R. Satya Mahipal Reddy | Modeling And Machining Of Sheet Metal Dies And Inspection Fixtures | International Research Journal of Engineering & Technology | Impact Factor-5.181, EISSN: 2395-0056 PISSN: 2395-0072, Volume-4, Issue-7, July-2017 |  |
|  | P. Sreelatha  R. Satya Mahipal Reddy | Optimized Design And Analysis Of Pedestal Bearing House | International Research Journal of Engineering & Technology | Impact Factor-5.181, EISSN: 2395-0056 PISSN: 2395-0072, Volume-4, Issue-7, July-2017 |  |
|  | P. Sandeep Kumar | Algae Biofuel - A Source Of Renewable Energy: A Review | Ge- International Journal Of Engineering Research | International/ If- 4.721, ISSN: (2321-1717) |  |
|  | V. Sandeepa  K. Praveen | Experimental investigations on prototypes produced from selective laser sintering | International Journal, Magazine of Engineering, Technology, Management and Research | Impact Factor-3.5540, ISSN: 2348-4845, Volume-4, Issue-6, July- 2016 |  |
|  | K. Praveen | Laser Marking of circular Grid Pattern for Plotting Strain Variation of Deep Drawing of Cylindrical component | International Journal, Magazine of Engineering, Technology, Management and Research | Impact Factor- 3.5540, ISSN:2348-4845 & December 2016 |  |
|  | G. Gnana Deepa | Fatigue Analysis of Choke valve Body | International Journal of Scientific Engineering & Technology Research | Vol-5, Issue-10,  ISSN:2319-8885, May-2016, Pages:2120-2127 |  |

**Research Publications in Conferences**

**AY 2016-17**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.No.** | **Faculty Name** | **Title of the Paper** | **Name of the Journal / Conference** | **Year of Publication/ ISSN/ISBN Number & DOI** | **ELSEVIER/SCOPUS/**  **SAE/UGC** |
|  | Dr.T.Siva Prasad  Dr. M. Devaiah  D. Samuel John | Effect Of Burnishing On Surface Properties of Ferrous and Non-Ferrous Metals | International Conference | International Conference on Emerging Trends in Mechanical Engineering -2016 (ICETIME2016) Page No 520-525 ISBN: 9788131427941 | International Conference |
|  | Dr.T.Siva Prasad  Dr. M. Devaiah  D. Samuel John | Design and Fabrication of Solar Powered Lawn Mower with Linear Blades | International Conference | International Conference on Emerging Trends in Mechanical Engineering -2016 (ICETIME2016) Page No240-244 ISBN: 978-81-3142-794-1 | International Conference |
|  | Dr. M. Devaiah  D. Samuel John  B.Subba Rao | Analysis On The Impact Of Bullwhip Effect (BWE) In Supply Chain Management | International Conference | ” International Conference on Emerging Trends in Mechanical Engineering -2016 (ICETIME2016 Page no233-239ISBN:9788131427941 | International Conference |
|  | Dr. M. Devaiah  D. Samuel John | Agriculture Pesticide Sprayer using Solar Energy | International Conference On Emerging Trends In Mechanical Engineering -2016 (Icetime2016) | ISBN:9788131427941 | International Conference |
|  | B. Sreenivas | Effect of Temperature and Pressure Ratio on Second Law efficiency of an irreversible Braysson cycle | Proceedings of 2nd International Conference on Research Trends in Engineering, Applied Science and Management | ICRTESM  2017,NITTTR,  Chandigarh,  India, 23rdApril  2017. Published  in Journal  ISBN:978-81-  933746-9-6 | International Conference |
|  | B.Subba Rao | Analysis On The Impact Of Bullwhip Effect (BWE) In Supply Chain Management” | International Conference On Emerging Trends In Mechanical Engineering - (Icetime2016)“2016 | ISBN:9788131427941 | International Conference |
|  | B.Subba Rao | Agriculture Pesticide Sprayer Using Solar Energy | International Conference On Emerging Trends In Mechanical Engineering -2016 (ICETIME2016) | ISBN:9788131427941 | International Conference |
|  | P. Laxmi Reddy  D. Samuel John  P. Sudheer Rao | Experimental Analysis on Incompressible Fluid Jet through Passive Control Method | International Conference on Emerging Trends in Mechanical Engineering -2016 | ICETIME2016 ,  Page No 752-756, ISBN:9788131427941, September 23-24,2016 | International Conference |
|  | B. Venkat sravan Kumar | Analysis of PLY drops of Composite Materials | International Conference on Emerging Trends in Mechanical Engineering (ICETiME-2016) | ISBN:9788131427941 23rd -24th September 2016 | International Conference |
|  | P. Laxmi Reddy  B. Bhasker | Experimental Analysis on incompressible circular –non circular fluid jet through passive control method | (i- CAM2K16)  (CMR)  International conference | 10th &11th Dec, 2016 | International Conference |